



Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001

MEMORANDUM

To: See Distribution
From: Kevin Christensen, P.E.
Construction Engineer
Date: October 7, 2008
Subject: Supplemental Specification Revision: 620.03.6, Epoxy Pavement Markings

The Construction Administration Services Bureau is proposing revisions to Standard Specification 620.03.6, Epoxy Pavement Markings, following the Standard Specification Revision Process outlined in the Construction Engineer's Memorandum dated May 2008. The following information is provided.

1. Standard Specification 620.03.6, Epoxy Pavement Markings, will be modified.
2. The Proposed Draft of the change is attached along with this memorandum.
3. Revisions to the Standard Specifications are needed to address changes in striping and glass bead requirements.
4. Those impacted by the change include:
Construction, Contractors, EPM's
5. The following individuals were consulted and/or involved in developing the proposed revisions:
CAS Bureau, CES Bureau, MCA

*It is requested that written comments on **the proposed revisions only**, be returned to mdtspecifications@mt.gov no later than October 31, 2008.*

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620.03.6 Epoxy Pavement Markings

A. Materials. Furnish Materials meeting Subsection [714.05 and](#) 714.08 requirements. |

D. Application.

1. Apply epoxy pavement markings a minimum of 30 calendar days, and a maximum of 45 calendar days, after seal coat operations through sweeping are completed. When epoxy pavement markings are the only remaining item of work on the project, contract time assessment will be suspended until either, beginning epoxy pavement marking application, or 45 calendar days elapse after seal coat operations are completed.
2. Submit a copy of the manufacturer's instructions for surface preparation and material application.

Include in the instructions:

- Equipment Requirements
- Approved Work Methods and Procedures
- Material Application Range
- Ambient & Surface Temperature Requirements
- Weather Limitations
- Precautions
- All other requirements for successful application and material performance.

Do not place materials before furnishing complete instructions to the Project Manager.

Apply a 20-mil \pm 2 mil (0.508 mm \pm 0.051 mm) thick wet film immediately followed by applying at least 25 lbs/gallon (3 kg/L) of [Montana Type 2](#) glass beads to the epoxy. Apply the markings to within 1/4 inch (6 mm) of the specified width. |

Immediately terminate striping application if the applied stripe(s) are less than 18 mils thick. Grind all 18-mil and thinner striping meeting Subsection 620.03.6(C) and replace the striping meeting the contract requirements at Contractor expense. Correct all deficient striping before continuing with the remaining striping work. The Project Manager will identify deficient stripe thickness by comparing the tank quantities measured and used against the length, width, and application rate of the applied stripe.

Apply the epoxy pavement marking material when the pavement is dry and the ambient temperature is 40 °F (4.4 °C) and rising or follow the manufactures surface and temperature requirements, whichever is more restrictive.

Match the existing pavement marking configuration unless otherwise specified or directed.